NC/QC/YPD/2020-21/S-CB2A **Date: 05-03-2021**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements and Developments to Shivanahalli village surrounding area in Ward No.01 Yelahanka Constituency.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. K. Venkataraju, Bangalore.

Assistant Executive Engineer Project Division Yelahanka Zone BBMP Bangalore - 92

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	05-02-21	05-03-21	28	22500	515	22.89	**22.52**
	002	"	"	"	"	495	22.00	
	003	"	"	"	"	510	22.67	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Road-2

NEWZEN CONSULTANT Bangalore

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YPD/2020-21/S-CB4A **Date: 10-03-2021**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements and Developments to Shivanahalli village surrounding area in Ward No.01 Yelahanka Constituency.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. K. Venkataraju, Bangalore.

Asst. Executive Engineer Project Division Yelahanka Zone BBMP Bangalore-92

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	10-02-21	10-03-21	28	22500	525	23.33	**22.81**
	002	"	"	"	"	505	22.44	
	003	"	"	"	"	510	22.67	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Road-4

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EMAIL:newzen576@gmail.com

NC/QC/YPD/2020-21/S-CB5A **Date: 12-03-2021**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements and Developments to Shivanahalli village surrounding area in Ward No.01 Yelahanka Constituency.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. K. Venkataraju, Bangalore.

Asst. Executive Engineer Project Division Yelahanka Zone BBMP Bangalore

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	12-02-21	12-03-21	28	22500	525	23.33	**22.96**
	002	"	"	"	"	515	22.89	
	003	"	"	"	"	510	22.67	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : 1st Cross Rd

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Page No. 1/1,

NC/QC/YPD/2020-21/S-CB6A **Date: 16-03-2021**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements and Developments to Shivanahalli village surrounding area in Ward No.01 Yelahanka Constituency.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. K. Venkataraju, Bangalore.

Asst. Executive Engineer Project Division Yelahanka Zone BBMP Bangalore - 92

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	16-02-21	16-03-21	28	22500	520	23.11	**22.74**
	002	"	"	"	"	510	22.67	
	003	"	"	"	"	505	22.44	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : 2nd Cross Rd

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EMAIL:newzen576@gmail.com

NC/QC/YPD/2020-21/S-CB7A

Date: 18-03-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements and Developments to Shivanahalli village surrounding area in Ward No.01 Yelahanka Constituency.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. K. Venkataraju, Bangalore.

Assistant Executive Engineer Project Division Yelahanka Zone BBMP, Bangalore - 92

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	18-02-21	18-03-21	28	22500	500	22.22	**22.44**
	002	"	"	"	"	510	22.67	
	003	"	"	"	"	505	22.44	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Bande Rd

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EMAIL:newzen576@gmail.com

NC/QC/YPD/2020-21/S-CB8A

Date: 20-03-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Improvements and Developments to Shivanahalli village surrounding area in Ward No.01 Yelahanka Constituency.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. K. Venkataraju, Bangalore.

Assistant Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore - 560 064

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	20-02-21	20-03-21	28	22500	495	22.00	**22.22**
	002	"	"	"	"	500	22.22	
	003	"	"	"	"	505	22.44	

The result of the materials tested meets the standards and hence can be used for the work.

Sample Collected Site : Road-5

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Page No. 1/1,

NC/QC/YPD/2020-21/S-GSB1 Date: 04-06-2021

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (Grade-V) mix.
{Project*: Improvements and Developments to Shivanahalli village surrounding area in Ward No.01 Yelahanka Constituency.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. K. Venkataraju, Bangalore.

TEST RESULTS

I. **Gradation Test:**
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
75.00	**100.00**	100
53.00	**96.45**	80-100
26.50	**78.15**	55-90
9.50	**54.80**	35-65
4.75	**42.10**	25-50
2.36	**17.65**	10-20
0.85	**8.05**	2-10
0.425	**3.45**	0-5

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Shivanahalli Road-1

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EMAIL:newzen576@gmail.com

Date: 04-06-2021

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	**0.42 %**	Not more than 2.0 %
2.	Liquid Limit, %	**18.36**	Not more than 25.0 %
3.	Plasticity Index, %	**NP**	Not more than 6.0 %
4.	Moisture Content, %	**6.49**	----------
5.	Aggregate Impact Value, %	**28.74**	Not more than 40.00 %

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Shivanahalli Road-1

Asst. Executive Engineer Project Division Yelahanka Zone 02 BBMP, Bangalore

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EMAIL:newzen576@gmail.com

NC/QC/YPD/2020-21/S-GSB2 Date: 07-06-2021

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (Grade-V) mix.
{Project*: Improvements and Developments to Shivanahalli village surrounding area in Ward No.01 Yelahanka Constituency.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. K. Venkataraju, Bangalore.

Asst. Executive Engineer Project Division Yelahanka Zone BBMP Bangalore - 02

TEST RESULTS

1. **Gradation Test:**

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
75.00	**100.00**	100
53.00	**96.25**	80-100
26.50	**81.10**	55-90
9.50	**59.70**	35-65
4.75	**46.15**	25-50
2.36	**16.05**	10-20
0.85	**8.65**	2-10
0.425	**3.90**	0-5

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Road-4.

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EMAIL:newzen576@gmail.com

Date: 07-06-2021

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	**0.43 %**	Not more than 2.0 %
2.	Liquid Limit, %	**18.59**	Not more than 25.0 %
3.	Plasticity Index, %	**NP**	Not more than 6.0 %
4.	Moisture Content, %	**6.35**	----------
5.	Aggregate Impact Value, %	**28.76**	Not more than 40.00 %

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Road-4.

Asst. Executive Engineer Project Division Yelahanka Zone BBMP, Bangalore - 92

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EMAIL:newzen576@gmail.com

NC/QC/YPD/2020-21/S-GSB3 Date: 09-06-2021

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (Grade-V) mix.
{Project*: Improvements and Developments to Shivanahalli village surrounding area in Ward No.01 Yelahanka Constituency.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. K. Venkataraju, Bangalore.

TEST RESULTS

1. **Gradation Test:**

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
75.00	**100.00**	100
53.00	**94.35**	80-100
26.50	**86.65**	55-90
9.50	**58.20**	35-65
4.75	**46.75**	25-50
2.36	**17.90**	10-20
0.85	**8.45**	2-10
0.425	**3.55**	0-5

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Road-7.

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EMAIL:newzen576@gmail.com

Date: 09-06-2021

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	**0.41%**	Not more than 2.0 %
2.	Liquid Limit, %	**18.56**	Not more than 25.0 %
3.	Plasticity Index, %	**NP**	Not more than 6.0 %
4.	Moisture Content, %	**6.96**	----------
5.	Aggregate Impact Value, %	**28.83**	Not more than 40.00 %

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Road-7.

Assistant Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 13

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EMAIL:newzen576@gmail.com

NC/QC/YPD/2020-21/S-GSB4 Date: 11-06-2021

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (Grade-V) mix.
{Project*: Improvements and Developments to Shivanahalli village surrounding area in Ward No.01 Yelahanka Constituency.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. K. Venkataraju, Bangalore.

TEST RESULTS

1. **Gradation Test:**

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
75.00	**100.00**	100
53.00	**97.35**	80-100
26.50	**82.10**	55-90
9.50	**57.25**	35-65
4.75	**45.80**	25-50
2.36	**17.05**	10-20
0.85	**8.55**	2-10
0.425	**4.15**	0-5

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site: Road-9

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EMAIL:newzen576@gmail.com

Date: 11-06-2021

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	**0.42 %**	Not more than 2.0 %
2.	Liquid Limit, %	**18.65**	Not more than 25.0 %
3.	Plasticity Index, %	**NP**	Not more than 6.0 %
4.	Moisture Content, %	**6.39**	----------
5.	Aggregate Impact Value, %	**28.87**	Not more than 40.00 %

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Road-9

Assistant Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

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EMAIL:newzen576@gmail.com

NC/QC/YPD/2020-21/S-GSB5 Date: 14-06-2021

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (Grade-V) mix.
{Project*: Improvements and Developments to Shivanahalli village surrounding area in Ward No.01 Yelahanka Constituency.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. K. Venkataraju, Bangalore.

TEST RESULTS

1. **Gradation Test:**

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
75.00	**100.00**	100
53.00	**97.45**	80-100
26.50	**81.65**	55-90
9.50	**59.10**	35-65
4.75	**46.80**	25-50
2.36	**17.35**	10-20
0.85	**8.90**	2-10
0.425	**3.65**	0-5

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Road-11.

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EMAIL:newzen576@gmail.com

Date: 14-06-2021

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	**0.41 %**	Not more than 2.0 %
2.	Liquid Limit, %	**18.75**	Not more than 25.0 %
3.	Plasticity Index, %	**NP**	Not more than 6.0 %
4.	Moisture Content, %	**6.19**	----------
5.	Aggregate Impact Value, %	**28.74**	Not more than 40.00 %

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Road-11

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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EMAIL:newzen576@gmail.com

NC/QC/YPD/2020-21/S-GSB6 Date: 16-06-2021

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (Grade-V) mix.
{Project*: Improvements and Developments to Shivanahalli village surrounding area in Ward No.01 Yelahanka Constituency.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. K. Venkataraju, Bangalore.

Asst. Executive Engineer Project Division Yelahanka Zone BBMP, Bangalore - 92

TEST RESULTS

1. **Gradation Test:**

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
75.00	**100.00**	100
53.00	**96.45**	80-100
26.50	**81.25**	55-90
9.50	**55.15**	35-65
4.75	**41.80**	25-50
2.36	**17.25**	10-20
0.85	**6.90**	2-10
0.425	**4.15**	0-5

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Road-12(Palagiris house Rd)

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EMAIL:newzen576@gmail.com

Date: 16-06-2021

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	**0.43%**	Not more than 2.0 %
2.	Liquid Limit, %	**18.36**	Not more than 25.0 %
3.	Plasticity Index, %	**NP**	Not more than 6.0 %
4.	Moisture Content, %	**6.59**	----------
5.	Aggregate Impact Value, %	**28.94**	Not more than 40.00 %

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Road-12(Palagiris house Rd)

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT Bangalore

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EMAIL:newzen576@gmail.com

NC/QC/YPD/2020-21/S-GSB7 Date: 18-06-2021

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (Grade-V) mix.
{Project*: Improvements and Developments to Shivanahalli village surrounding area in Ward No.01 Yelahanka Constituency.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. K. Venkataraju, Bangalore.

Assistant Executive Engineer Yelahanka Project Division Yelahanka Zone BBMP, Bangalore - 92

TEST RESULTS

1. **Gradation Test:**

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
75.00	**100.00**	100
53.00	**96.45**	80-100
26.50	**83.15**	55-90
9.50	**58.25**	35-65
4.75	**46.05**	25-50
2.36	**18.35**	10-20
0.85	**7.20**	2-10
0.425	**3.85**	0-5

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Sri Lakshmi Venkteshwara Nilaya

NEWZEN CONSULTANT Bangalore

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Date: 18-06-2021

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	**0.42 %**	Not more than 2.0 %
2.	Liquid Limit, %	**18.29**	Not more than 25.0 %
3.	Plasticity Index, %	**NP**	Not more than 6.0 %
4.	Moisture Content, %	**6.45**	----------
5.	Aggregate Impact Value, %	**28.76**	Not more than 40.00 %

The result of the materials tested meets the standards and hence can be used for the work.
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Asst. Executive Engineer Project Division Yelahanka Zone - 09 BBMP, Bangalore - 99

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